400V

PMP12047_XFMR_pri_xTs_RevA

Integrated on PCB winding on:
PMP12047_XFMR_RevB

XLMG3410

L_{ext}

T_1

EPC2024

UCD7138

UCD3138A

40 pin (RMH)

ISO7821F Isolator

ISO7821F Isolator

I_p

V_o

C_o

I_o

PMP20047_LMG3410_CC_RevA

12V_p for isolator and driver

PMP11432ControlCard_RevA

UCC3813D-4

3.3V LDO

400V_{in}

5V for SR

12V/500W

Block Diagram
Notes:
1. Minimum switching frequency: 200kHz
2. Maximum switching frequency: 750kHz
3. IPS over current protection set at 5A.

3. R100, R103, C115 and C116 are add-on capacitors.

4. IPS over current protection set at 5A.

2. Maximum switching frequency: 750kHz

1. Minimum switching frequency: 200kHz

Notes:
1. Secondary side 370VDC to 400VDC
2. Primary side 450V
3. N(4-5):N(1-3) = 1:250

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Built on PMP12047Rev A PCB
Built on PMP12047RevA PCB
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